aarvee associates
architects engineers & consultants pvt. ltd.
An ISO 9001:2015 Certified Company

AA/SR/2024/2720/TL/EPC-666 Date: 27.09.2025

DGM/Civil-3, KRDCL
For KRDCL-RVNL (JV)
Attn: Mr Babu Zacharias
Project - Re-development of Thiruvananthapuram Central Railway Station
Ref:

1. LOA No. CAO-CN-ERS-Engineering/25-CE-CN-ERS-2023-EPC/10875340102012 Dated 29.04.2024
2. LOA No.CAO-CN-ERS-Engineering/10-CE-ERS-2024-PMS/00939180110893 Dated 22.08.2024
3. No. AA/SR/2024/2720/EPC/PM-32 dated 25/10/24
4. No. KRDCL/47/2024 dated 06/12/24
5. No. KRDCL/47/2024/B Date:03.06.2025
6. No. AA/SR/2024/2720/TL/EPC-419 Date: 13.06.2025
7. No. KRDCL/47/2024/418 Date:11.07.2025
8. No. KRDCL/47/2024/583 Date:20.09.2025

Subject: North Block-2 – Approval of Electrical Lighting & Power Layouts, for Railway Office / Retail and Commercial Areas

Sirs,

Reference is made to KRDCL letter vide Ref. #4 regarding the revised MEP drawings submitted for North Block-2 – Electrical Lighting & Power Layouts**,** in line with the discussions held at AE Office dated 26/09/25
Based on the review, the status of the submitted drawings is as follows:

1. Electrical Lighting Layout – 12 Nos – *Approved with comments* (Attached). Compliance sheets and lighting calculations are to be submitted as stated.

2. Electrical Power Layout – 11 Nos – *Approved with comments* (Attached). Compliance sheets and lighting calculations are to be submitted as stated.

Accordingly, the above drawings are approved with comments. You are instructed to submit Good for Construction (GFC) drawings within one wee**k**, incorporating all details, sections, and compliance with comments. Submit complete set of drawings for onward submission for Authority for review & approval.

Further, conduit installations for Railway Office, Retail, and Commercial Areas may proceed as agreed in the meeting, subject to incorporation of Authority requirements at site, wherever applicable. As emphasized earlier, conduit drawings for all MEP systems are critical and cannot be delayed**.**

This is for your information & necessary action.

Thanking You
Yours Faithfully

C P SURENDRAN Digitally signed by C P SURENDRAN
Date: 2025.09.27 14:23:02 +05'30'

Surendran C P
TL-PM/TVC
For Aarvee Engineering Consultants Limited

Cc:-1 Dy:CE SR-TVM /Dy:CEE / H O – Aarvee

Reply to comments on North block 2 – Electrical lighting & Power layouts (Approval & comments are applicable for all floors), Letter ref No. No. KRDCL/47/2024/583 Date:20.09.2025, KRDCL meeting discussions dated 27-09-25

Project - Re-development of Thiruvananthapuram Central Railway Station

The comments are listed below for the above letter submitted and can be finalized only after a detailed presentation by KRDCL & discussion by Authority. The works are to be carried out as per the EPC agreement scope. Any omission of scope in the submitted drawings must have to be implemented during the execution and to be updated in As built drawings.

Sl.no	**Approved with Comments**	Area	Remarks
1	All sleeves to be provided and for future provisions. To be discussed with Arch / Structural team. Spare conduits to be indicated in conduit layouts		
2	"As discussed, the corridor conduit provision for the commercial portion shall be fixed with conduits and junction boxes/ DBs for common areas, along with proper vertical risers to facilitate connection and extension of power and lighting as required. The lighting and power installations for the commercial areas shall be executed as per the portions being rented or allotted. All bus ducts shall be provided for Railway, Commercial, Retail, and spare capacities with Tap off boxes, along with distribution panels /DBs/JB's for extending the circuits. The Authority may direct their usage as required during the project execution period. Metering provision also to be discussed.		
3	As agreed, the lighting, power, and AC installations in all retail areas shall be completed, as these fall within the Railway office area.		
4	Lighting at Terrace on the shorter side missing lights to be installed. Sockets also to be added. Urinal sensor area connections to be done without open sockets. Differently abled toilet 2 lights to be given instead of 1, Façade lighting sections 2. 3 & 4 sides to be added. Display / Advertisement locations socket to be sufficiently provided. Electrical room & panel room fans & socket to be added. Escalator area lighting to be added. HVLS fans calculations to be submitted.		
5	Self-contained lights to be installed at appropriate locations for UPS & Non-UPS fed lights, provided for all emergency exit signs (including XPESS), emergency lighting for cross-passages, public corridors, escape routes, exit ways, staff and plant rooms		

6	BMS for lighting & other systems document to be submitted. UPS drawings to be submitted to finalise the feeding philosophy		
7	Advertisement conduits provision to be provided in vertical wall routes around buildings & terrace locations. *As per Sch DB 2.17 The Developer/Contractor shall design the advertisement space and shall provide adequate conduiting, power sockets, etc. Power sockets, etc.*		

Regards



S. Sebastian Dcruz

RE – Electrical

A- Approved

HT & LT ELECTRIFICATION SYSTEM

1.	Ground floor - Lighting Protection & Earthing Layout	KRDCL-RVNL (JV)/SR/TVC/NB2/EL/GF-LP&EL/005	Approved
2.	Ground floor - Lighting Layout	KRDCL-RVNL (JV)/SR/TVC/NB2/EL/GF-LL/003 ✓	A
3.	Ground floor - Power Layout	KRDCL-RVNL (JV)/SR/TVC/NB2/EL/GF-PL/004 ✓	A
4.	Mezzanine floor - Lighting Layout	KRDCL-RVNL (JV)/SR/TVC/NB2/EL/G+1-LL/006 ✓	A
5.	Mezzanine floor - Power Layout	KRDCL-RVNL (JV)/SR/TVC/NB2/EL/G+1-PL/007 ✓	A
6.	Concourse floor - Lighting Layout	KRDCL-RVNL (JV)/SR/TVC/NB2/EL/G+2-LL/008 ✓	A
7.	Concourse floor - Power Layout	KRDCL-RVNL (JV)/SR/TVC/NB2/EL/G+2-PL/009 ✓	A
8.	Commercial Floor 1- Lighting Layout	KRDCL-RVNL (JV)/SR/TVC/NB2/EL/G+3-LL/010 ✓	A
9.	Commercial Floor 1 - Power Layout	KRDCL-RVNL (JV)/SR/TVC/NB2/EL/G+3-PL/011 ✓	A
10	Commercial Floor 2 - Lighting Layout	KRDCL-RVNL (JV)/SR/TVC/NB2/EL/G+4-LL/012 ✓	A
11	Commercial Floor 2- Power Layout	KRDCL-RVNL (JV)/SR/TVC/NB2/EL/G+4-PL/013 ✓	A
12	Commercial Floor 3- Lighting Layout	KRDCL-RVNL (JV)/SR/TVC/NB2/EL/G+5-LL/014 ✓	A
13	Commercial Floor 3 - Power Layout	KRDCL-RVNL (JV)/SR/TVC/NB2/EL/G+5-PL/015 ✓	A
14	Commercial Floor 4 - Lighting Layout	KRDCL-RVNL (JV)/SR/TVC/NB2/EL/G+6-LL/016 ✓	A
15	Commercial Floor 4- Power Layout	KRDCL-RVNL (JV)/SR/TVC/NB2/EL/G+6-PL/017 ✓	A
16	Commercial Floor 5 - Lighting Layout	KRDCL-RVNL (JV)/SR/TVC/NB2/EL/G+7-LL/018 ✓	A
17	Commercial Floor 5 - Power Layout	KRDCL-RVNL (JV)/SR/TVC/NB2/EL/G+7-PL/019 ✓	A

18	Commercial Floor 6 - Lighting Layout	KRDCL-RVNL (JV)/SR/TVC/NB2/EL/G+8-LL/020 ✓	A
19	Commercial Floor 6 - Power Layout	KRDCL-RVNL (JV)/SR/TVC/NB2/EL/G+8-PL/021 ✓	A
20	Commercial Floor 7 - Lighting Layout	KRDCL-RVNL (JV)/SR/TVC/NB2/EL/G+9-LL/022 ✓	A
21	Commercial Floor 7- Power Layout	KRDCL-RVNL (JV)/SR/TVC/NB2/EL/G+9-PL/023 ✓	A
22	Terrace floor - lighting layout	KRDCL-RVNL (JV)/SR/TVC/NB2/EL/TF-LL/024 ✓	A
23	Terrace floor - Power layout	KRDCL-RVNL (JV)/SR/TVC/NB2/EL/TF-PL/025 ✓	A
24	Terrace floor - Lightning Protection Layout	KRDCL-RVNL (JV)/SR/TVC/NB2/EL/TF-LPL/026	
25	Elevation/Section Plan - Lightning Protection Layout	KRDCL-RVNL (JV)/SR/TVC/NB2/EL/ELE-LPL/027	
26	Elevation/Section-Lighting Layout	KRDCL-RVNL (JV)/SR/TVC/NB2/EL/ELE-LL/029 ✓	A